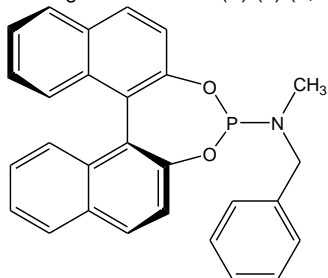


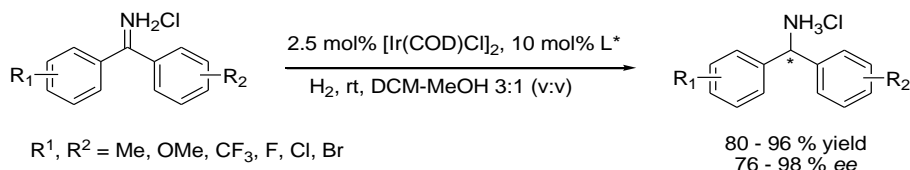
Catalog # 15-1510 (S)-(+)-(3,5-Dioxa-4-phosphacyclohepta[2,1-a;3,4-a']dinaphthalen-4-yl)benzyl(methyl)amine, 99%



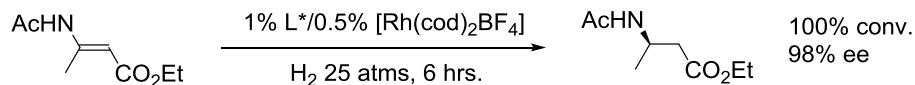
Note: Sold in collaboration with DSM for research purposes only. Patent WO 02 04466. DSM's MonoPhos™ Ligand Kit component.

Technical Notes:

1. The ligand has been used in Ir-catalyzed asymmetric hydrogenation of substituted benzophenone N-H imines
2. The ligand has been used in the rhodium-catalyzed enantioselective hydrogenation of (E)-N-acylated dehydro-β-aminoacid esters (For (Z) isomer, use [15-1525](#)).



Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)

References:

1. *J. Am. Chem. Soc.*, **2010**, 132, 2124.
2. *J. Am. Chem. Soc.*, **2002**, 124, 14552.